

#9

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/510,876
Source: PCT
Date Processed by STIC: 07-19-2005

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PCT

RAW SEQUENCE LISTING

DATE: 07/19/2005

PATENT APPLICATION: US/10/510,876

TIME: 08:55:04

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\07192005\J510876.raw

3 <110> APPLICANT: Power, Christine
 4 Plater-Zyberk, Christine
 6 <120> TITLE OF INVENTION: Use of osteoprotegerin for the treatment and/or prevention
 of fibrotic
 7 disease
 9 <130> FILE REFERENCE: SLII-P01-001
 11 <140> CURRENT APPLICATION NUMBER: US 10/510,876
 C--> 12 <141> **CURRENT FILING DATE: 2004-10-08**
 14 <150> PRIOR APPLICATION NUMBER: EP02100364.5
 15 <151> PRIOR FILING DATE: 2002-04-10
 18 <160> NUMBER OF SEQ ID NOS: 12
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1681
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1

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32	cactttacaa	gtcatcaagt	ctaacttcta	gaccagggaa	ttaatggggg	agacagcgaa	180
34	ccctagagca	aagtgccaaa	cttctgtcga	tagcttgagg	ctagtggaaa	gacctcgagg	240
36	aggctactcc	agaagttcag	cgcgtaggaa	gtcccgtatac	caatagccct	ttgatgatgg	300
38	tgggggttgg	gaagggaaca	gtgctccgca	aggttatccc	tgccccaggc	agtccaattt	360
40	tcactctgca	gattctctct	ggctctaact	accccgagata	acaaggagtg	aatgcagaat	420
42	agcacgggct	ttagggccaa	tcagacatta	gttagaaaaa	ttcctactac	atggtttatg	480
44	taaacttgaa	gatgaatgat	tgcgaactcc	ccgaaaaggg	ctcagacaat	gccatgcata	540
46	aagaggggcc	ctgtaatttg	aggtttcaga	acccgaagtg	aaggggtcag	gcagccgggt	600
48	acggcgga	ctcacagctt	tcgcccagcg	agaggacaaa	ggtctgggac	acactccaac	660
50	tgcgtccgga	tcttggtctg	atcggactct	caggggtggag	gagacacaag	cacagcagct	720
52	gcccgagctg	tgcccagccc	tcccaccgct	ggtcccggct	gccaggaggc	tggccgctgg	780
54	cgggaagggg	ccgggaaacc	tcagagcccc	gcggagacag	cagccgcctt	gttcctcagc	840
56	ccggtggctt	ttttttcccc	tgctctccca	ggggacagac	accaccgccc	caccctcac	900
58	gccccacctc	cctgggggat	cctttccgcc	ccagccctga	aagcgtaaat	cctggagctt	960
60	tctgcacacc	ccccgaccgc	tcccgcccaa	gcttcctaaa	aaagaaagg	gcaaagtgtg	1020
62	gtccaggata	gaaaaatgac	tgatcaaagg	caggcgatac	ttcctgttgc	cgggacgcta	1080
64	tatataacgt	gatgagcgca	cgggctgcgg	agacgcaccg	gagcgctcgc	ccagccgccg	1140
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68	tggtaaagtcc	ctgggcccagc	cgacgggtgc	ccggcgctcca	gggaggctgc	tgccacctgg	1260
70	tctcccaacc	tcccagcga	ccggcgggga	gaaggctcca	ctcgctccct	cccaggagag	1320
72	gcttgggggt	aggctggagc	aggaaaccgc	tttcaagtta	tgccatgctt	cccctagggt	1380
74	gtccttttac	gctgcaaagt	tctgtctgac	tttatggaag	acagcaagag	agagacagac	1440
76	agcgagagag	agggagagag	agagagagag	aaacttgttt	gaaagtttta	gtcattaacc	1500
78	ttctgtcttc	atctcagaat	attaacgccc	tcatgtagtc	catactatct	ttgtttaatg	1560
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84 a 1681
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88 <211> LENGTH: 401
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 2
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95 1 5 10 15
98 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
99 20 25 30
102 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr
103 35 40 45
106 Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro
107 50 55 60
110 Cys Pro Asp His Tyr Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys
111 65 70 75 80
114 Leu Tyr Cys Ser Pro Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu
115 85 90 95
118 Cys Asn Arg Thr His Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr
119 100 105 110
122 Leu Glu Ile Glu Phe Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe
123 115 120 125
126 Gly Val Val Gln Ala Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg
127 130 135 140
130 Cys Pro Asp Gly Phe Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys
131 145 150 155 160
134 Arg Lys His Thr Asn Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys
135 165 170 175
138 Gly Asn Ala Thr His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr
139 180 185 190
142 Gln Lys Cys Gly Ile Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg
143 195 200 205
146 Phe Ala Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val
147 210 215 220
150 Asp Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile
151 225 230 235 240
154 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu
155 245 250 255
158 Trp Lys His Gln Asn Lys Asp Gln Asp Ile Val Lys Lys Ile Ile Gln
159 260 265 270
162 Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile Gly His Ala
163 275 280 285
166 Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly
167 290 295 300
170 Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys
171 305 310 315 320
174 Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn
175 325 330 335

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178 Gly Asp Gln Asp Thr Leu Lys Gly Leu Met His Ala Leu Lys His Ser
179           340           345           350
182 Lys Thr Tyr His Phe Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr
183           355           360           365
186 Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu
187           370           375           380
190 Phe Leu Glu Met Ile Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys
191 385           390           395           400
194 Leu

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198 <210> SEQ ID NO: 3

199 <211> LENGTH: 1356

200 <212> TYPE: DNA

201 <213> ORGANISM: Homo sapiens

203 <400> SEQUENCE: 3

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206 cgctccaag cccctgaggt ttccggggac cacaatgaac aagttgctgt gctgcgcgct      120
208 cgtgtttctg gacatctcca ttaagtggac caccaggaa acgtttcctc caaagtacct      180
210 tcattatgac gaagaaacct ctcacagct gttgtgtgac aaatgtcctc ctggtacct      240
212 cctaaaacaa cactgtacag caaagtggaa gaccgtgtgc gcccttgcc ctgaccact      300
214 ctacacagac agctggcaca ccagtgcga gtgtctatac tgcagccccg tgtgcaagga      360
216 gctgcagtac gtcaagcagg agtgcaatcg caccacaac cgcgtgtgcg aatgcaagga      420
218 agggcgctac cttgagatag agttctgctt gaaacatagg agctgccctc ctggatttgg      480
220 agtgggtgcaa gctggaaccc cagagcgaaa tacagtttgc aaaagatgtc cagatgggtt      540
222 cttctcaaatt gagacgtcat ctaaagcacc ctgtagaaaa cacacaaatt gcagtgtctt      600
224 tgggtctcctg ctaactcaga aaggaaatgc aacacacgac aacatatgtt ccggaaacag      660
226 tgaatcaact caaaaatgtg gaatagatgt taccctgtgt gaggaggcat tcttcaggtt      720
228 tgctgttcct acaaagttta cgcctaactg gcttagtgtc ttggtagaca atttgcttgg      780
230 caccaaagta aacgcagaga gtgtagagag gataaaacgg caacacagct cacaagaaca      840
232 gactttccag ctgctgaagt tatggaaca tcaaaacaaa gcccaagata tagtcaagaa      900
234 gatcatccaa gatattgacc tctgtgaaaa cagcgtgcag cggcacattg gacatgctaa      960
236 cctcaccttc gagcagcttc gtagcttgat ggaaagctta ccgggaaaga aagtgggagc     1020
238 agaagacatt gaaaaaacia taaaggcatg caaaccagat gaccagatcc tgaagctgct     1080
240 cagtttgttg cgaataaaaa atggcgacca agacaccttg aagggcctaa tgcacgcact     1140
242 aaagcactca aagacgtacc actttcccaa aactgtcact cagagtctaa agaagaccat     1200
244 caggttcctt cacagcttca caatgtacaa attgtatcag aagttatttt tagaaatgat     1260
246 aggtaaccag gtccaatcag taaaataaag ctgcttataa ctggaaatgg ccattgagct     1320
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251 <210> SEQ ID NO: 4

252 <211> LENGTH: 401

253 <212> TYPE: PRT

254 <213> ORGANISM: Homo sapiens

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259 1           5           10           15
262 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
263           20           25           30
266 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr
267           35           40           45
270 Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro

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271      50      55      60
274 Cys Pro Asp His Tyr Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys
275 65      70      75      80
278 Leu Tyr Cys Ser Pro Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu
279      85      90      95
282 Cys Asn Arg Thr His Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr
283      100      105      110
286 Leu Glu Ile Glu Phe Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe
287      115      120      125
290 Gly Val Val Gln Ala Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg
291      130      135      140
294 Cys Pro Asp Gly Phe Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys
295 145      150      155      160
298 Arg Lys His Thr Asn Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys
299      165      170      175
302 Gly Asn Ala Thr His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr
303      180      185      190
306 Gln Lys Cys Gly Ile Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg
307      195      200      205
310 Phe Ala Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val
311      210      215      220
314 Asp Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile
315 225      230      235      240
318 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu
319      245      250      255
322 Trp Lys His Gln Asn Lys Ala Gln Asp Ile Val Lys Lys Ile Ile Gln
323      260      265      270
326 Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile Gly His Ala
327      275      280      285
330 Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly
331      290      295      300
334 Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys
335 305      310      315      320
338 Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn
339      325      330      335
342 Gly Asp Gln Asp Thr Leu Lys Gly Leu Met His Ala Leu Lys His Ser
343      340      345      350
346 Lys Thr Tyr His Phe Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr
347      355      360      365
350 Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu
351      370      375      380
354 Phe Leu Glu Met Ile Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys
355 385      390      395      400
358 Leu
362 <210> SEQ ID NO: 5
363 <211> LENGTH: 18
364 <212> TYPE: DNA
365 <213> ORGANISM: homo sapiens
367 <400> SEQUENCE: 5

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368 ctgcgcgctc gtgtttct	18
371 <210> SEQ ID NO: 6	
372 <211> LENGTH: 24	
373 <212> TYPE: DNA	
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380 <210> SEQ ID NO: 7	
381 <211> LENGTH: 33	
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383 <213> ORGANISM: homo sapiens	
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390 <211> LENGTH: 27	
391 <212> TYPE: DNA	
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395 aagctcgagt tataagcagc ttatattt	27
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399 <211> LENGTH: 27	
400 <212> TYPE: DNA	
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407 <210> SEQ ID NO: 10	
408 <211> LENGTH: 29	
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418 <212> TYPE: DNA	
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426 <211> LENGTH: 20	
427 <212> TYPE: DNA	
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431 ctgattggac ctggttacct	20

VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date